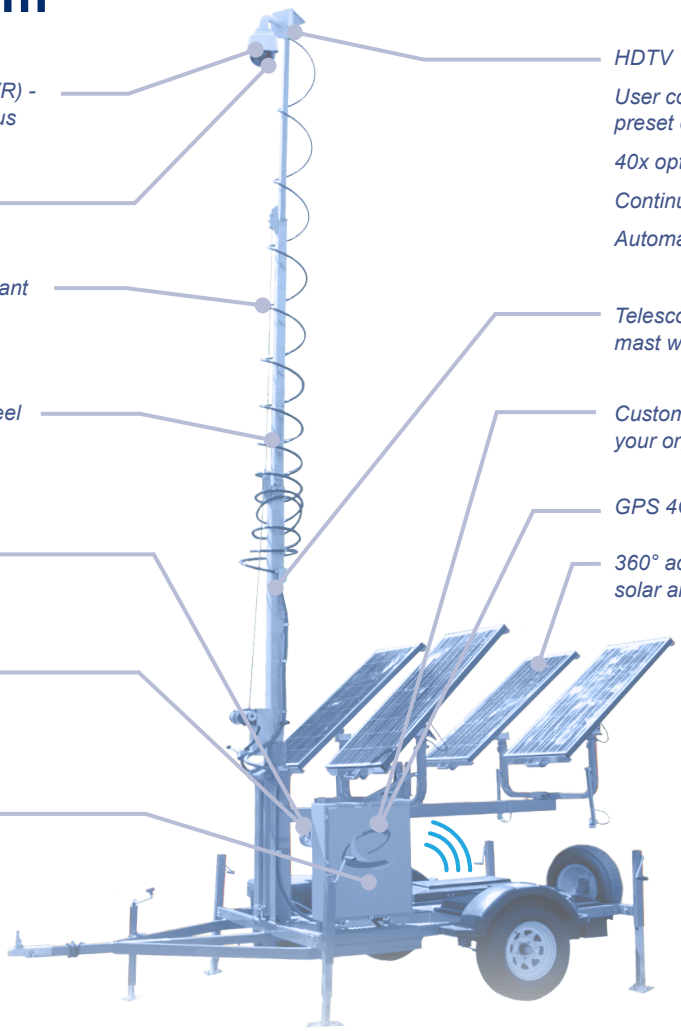
Bid Specification

Video Monitoring and Documentation

Mobile TrailerCam



Edge Video Recorder (EVR) - up to 60 days of continuous video recording

256bit AES encrypted onboard storage

Rugged UV and cut resistant spiral conduit for cable deployment

Heavy duty galvenized steel construction

Full size spare tire

Low maintenance AGM sealed battery

75 Amp battery charger

Real-time remote data management

HDTV 1080p resolution

User controllable P/T/Z with multiple preset compositions

40x optical, 12x digital zoom

Continuous 360° pan

Automatic day and night function

Telescoping 30' galvanized steel mast with an electric extension

Custom branding to display your organization's logo

GPS 4G modem

360° adjustable solar array

Specification includes camera system and managed services

Multiple Presets

360° User Controllable

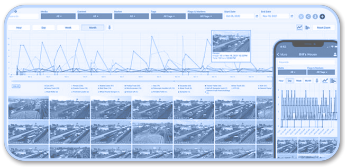
Current and Historical Weather Data

Continuous Video Recording

Installation and Maintenance

Mobile Device App

Full Service Support



AI Media Dashboard

Additional services included

EarthCam.net®
The Webcam Technology Experts

1-800-EARTHCAM
www.earthcam.net/contactus

Connect: Call: **1-800-327-8422**

©2024 EarthCam, Inc. All rights reserved.

EarthCam Mobile Trailer Cam Model # ECCS09200

01.32.36 Video Monitoring and Documentation Bid Specification

1. The Contractor shall provide a Robotic Live Streaming Webcam for users to remotely view the project on a secure connection via a network connection. The camera will provide a full view of the work area on the construction site.

   CONTACT SYSTEM VENDOR: EarthCam / Brian Cury +1 201.488.1111 Email: WWW.EARTHCAM.NET/CONTACTUS

2. The trailer camera system shall meet or exceed the following requirements:
   - 2.1 Dimensions: 15.5' L x 7.1' W x 7.2' H (4.57m L x 1.13m W x 2.2m H)
   - 2.2 Weight: 2800lbs (1270kg)
   - 2.3 Single torsion-type axle steel welded trailer with 2" adjustable ball hitch manual outriggers
   - 2.4 DOT approved lighting package to include brake and marker lights
   - 2.5 Solar powered and wireless
   - 2.6 Low maintenance 6Volt DC deep cycle AGM batteries, 75 Amp battery charger
   - 2.7 150 watt polycrystalline silicon photovoltaic solar modules
   - 2.8 Trailer mounted locking manual/motorized up to 30 foot telescoping mast with spiral conduit for cable deployment
   - 2.9 Full size spare tire
   - 2.10 Consist of thermostatically controlled camera system, housed in a aluminum casing with a polycarbonate dome
   - 2.11 Pan/Tilt/Zoom: 360° pan, 180° tilt
   - 2.12 Horizontal field of view: 65.1°–2.0°, Vertical field of view: 39.1°–1.18°
   - 2.13 Resolution: 1920x1080 (HDTV 1080p)
   - 2.14 Motion JPEG video compression
   - 2.15 Capable of maintaining multiple preset compositions
   - 2.16 Lens: 4.25-170mm, 40x optical and 12x digital zoom
   - 2.17 Auto Features: Focus, ISO, brightness and white balance
   - 2.18 Communications: 10base-T/100base-TX Ethernet, IP Addressing: Dynamic or Static
   - 2.19 Wireless 4G modem LTE
   - 2.20 Secure 256-bit AES Encrypted onboard storage
   - 2.21 High-Definition continuous video recording with 60 days of retention (up to 1 year available)
   - 2.22 Industrial grade solid state embedded Linux System
   - 2.23 Custom branding to display company logo
   - 2.24 Designed for EarthCam Control Center

3. Internet Based Online Interface: The camera will be accessible via an internet based Software as a Service (SaaS) solution. This online interface will be managed and supported by the System Vendor. The service will be available for the term of the project and allow the viewing of live video and High Definition digital still images captured and stored of the project on both mobile and desktop platforms.

   The Internet Based Online Interface shall include the following features:
   - 3.1 Responsive HTML5 design for cross-platform access on desktop and mobile devices
   - 3.2 Secure HTTPS compliant with live stream secured & encrypted via https transport
   - 3.3 Display project name and logo
   - 3.4 Project Dashboard allows easy navigation between multiple cameras and projects
   - 3.5 Security Interface offers flexible multi-view camera grid selective up to 24 cameras per screen streaming simultaneously
   - 3.6 Edge Video Recorder features searchable intuitive visual timeline interface for fast incident footage retrieval and sharing
   - 3.7 Real-time live video viewing with user-controllable Robotic Pan, Tilt and Zoom
   - 3.8 User-controllable settings for creating and editing multiple preset compositions, each preset will be displayed as a thumbnail image
   - 3.9 Instant live snapshot capability in addition to preset scheduled archives
   - 3.10 Visual timeline with quick thumbnail view allows image navigation by year, month, day and hour
   - 3.11 AI-edited time-lapse technology removes frames obscured by foreign objects or weather elements, with music and graphics then added for downloadable presentations
   - 3.12 Full Screen Mode for displaying video and complete image without any graphical frame
   - 3.13 Photo Filters and Graphical Markup Tools for detailing and creating notes with graphical overlays on images, including project title, logo and time date stamp
   - 3.14 Image Comparison Tool for comparing two images taken at different times, overlayed on top of each other
   - 3.15 Project Management Software integration (Autodesk Construction Cloud, Autodesk Build, CMiC, Esri, InEight, Infotech, Procore, Projectmates, Raken, Salesforce)
   - 3.16 3D/4D Model Integration (Autodesk Navisworks, Autodesk Revit, Bentley Synchro)
   - 3.17 Social Media Integration Tools for sharing project images and notes
   - 3.18 Automatically generated daily/weekly project progress update email with camera image and weather
   - 3.19 AI Media Dashboard – Interactive charts display AI-detected events and observations
   - 3.20 Graphical Weather applet displaying local weather data with satellite and updating radar imaging
   - 3.21 Integration of maps, aerial and satellite imagery
   - 3.22 Graphical Data Management Tools showing archived and current system status of solar amperage, battery power remaining, wireless radio connectivity, and device location

4. Access to account protected by Account Security feature which includes four levels of password protection, IP address block/permission and SSL protection of user login password.

5. The system shall capture and upload images every 5 minutes, 24 hours per day.

6. The system shall have M2M – Machine to Machine 24/7 Support with active self-healing technology and automatic software upgrades to maintain the quality, consistency and reliability of all images.

7. Images will be maintained on the System Vendor's servers for reference available at all times during the life of the project and for no less than 60 days after completion. All images will be protected on servers owned and operated by the System Vendor and located in a secure area at the System Vendor's location.

8. The Contractor shall provide all service and maintenance, including cleaning, of the camera system throughout the life of the project including making appropriate arrangements for camera to remain in operation up to and through finalization of all structural, landscaping and "completed state" condition necessary for beginning-to-end record.

9. The System Vendor shall provide custom public website development. Website shall be separate from the Online Interface, match the look and colors of the project's website, and be delivered as embed code or standalone web page. Additional features include Facebook and Twitter integration, full screen mode, image comparison, weather, multiple logos, graphical background image and project description.

10. The System Vendor at the end of the project shall provide a comprehensive archive package that includes all images, historical weather data, AI-generated time-lapse movies and a royalty-free web-based viewer software. The software shall include the same interactive interface as the live camera during the project.

11. The Contractor shall secure a nearby space to deploy the trailer as per System Vendor's instruction. The Contractor shall supply all equipment required for safe and secure access to the camera location for technicians performing installation and maintenance services, including lane closures, bucket truck and/or lift. The System Vendor will consult on and provide recommendations for optimal camera placement and provide professional installation services as required.

©2024 EarthCam, Inc. All rights reserved.